Use Case 4: Sell Tickets

Name:

Sell Tickets

Description:

This use case covers selling a number of tickets for a particular movie screening on a day and changing the number of tickets sold for that movie.

Actors:

Cinema staff

Triggers:

The use case is triggered by a customer who intends to buy movie tickets for a particular movie screening on a day.

Preconditions:

The movie screening (screen and timeslot) for the tickets must already exist in the moive screening schedule.

Postconditions:

After the use case is completed, the number of tickets sold will be updated and display the scheduled times for movie screening in a day and which screen they are being shown on as well as the number of tickets sold for each and the capacity of the screen.

Course of events:

Basic course of events:

1. The user enters the date, and performs the "Display the scheduled times for movie screening in a day and which screen they are being shown on as well as the number of tickets sold for each and the capacity of the screen".

2. The system displays the existing movie screenings (timeslot and screen) and the capacity of screens on the requested day.

3. The user selects a movie screening from the display.

4. The system highlights the movie screening to indicate it is selected.

5. The user enters the number of tickets that he will buy, and selects the sell tickets funtion.

6. The system compares the capacity and the sum of sold tickets and the currently required tickets from the user. If there are sufficient left tickets, the system updates the display, especially updates the number of sold tickets for the requestd movie screening on the day.

Alternate course of events:

1. The user enters the current day, and performs the "Display the scheduled times for movie screening in a day and which screen they are being shown on as well as the number of tickets sold for each and the capacity of the screens" use case.

2. The system displays all movie screenings (timeslot and screen).

3. The user selects the relevant movie screening from the display.

4. The system highlights the movie screening to indicate it is selected.

5. The user selects the sell tickets funtion, and enters the number of tickets to be sold.

6. The system warns the user that there are insufficient tickets for that requested movie screening, and asks the user to confirm whether selling the left tickets for the requested movie screening is ok.

7. The user selects yes.

8. The system updates the display, especially updates the number of sold tickets for the requsted moive screening on the day.

9. The user selects no.

10. The system returns to step 3.

Exceptional course of events

1. The user enters a day that is not the current day, and performs the "Display the scheduled times for movie screening in a day and which screen they are being shown on as well as the number of tickets sold for each and the capacity of the screens" use case.

2. The system displays all movie screenings (timeslot and screen).

3. The user selects the relevant movie screening from the display.

4. The system highlights the movie screening to indicate it is selected.

5. The user selects the sell tickets funtion, and enters the number of tickets to be sold.

6. The system warns the user that only the tickets for a movie screening for today can be sold, and returns to step 1.

Extension Points:

None

Inclusion:

Display the scheduled times for movie screening in a day and which screen they are being shown on as well as the number of tickets sold for each and the capacity of the screens